Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

95-PCA-316

MAY 25 1995

Mr. David L. Lundstrom
Section Manager
200 Areas
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West Fourth Avenue
Kennewick, Washington 99336

Dear Mr. Lundstrom:

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION FORM 3, REVISION 4, FOR THE T PLANT COMPLEX (TSD: T-2-7)

Enclosed is the Hanford Facility Dangerous Waste Part A Permit Application (Part A) Form 3, Revision 4, for the T Plant Complex (T Plant). T Plant is located in the 200 West Area of the Hanford Facility and will be used as a decontamination facility for the Hanford Facility. The Part A, Form 3, has been revised to address the liquid mixed waste storage capacities of the 2706-T railroad sump, 211-T sump, and 221-T Building tank 6-1. These sumps and tank are used for storage of liquid mixed waste generated during decontamination operations at the T Plant Complex. Following a review of the T Plant Complex liquid mixed waste system, it was determined that these units needed to be added to the Part A, Form 3. The maximum storage process design capacity "S02" for the liquid mixed waste storage tanks at T Plant will remain as currently identified (292,990 liters [77,400 gallons]).

The Part A, Form 3, also has been revised to add 32 new dangerous waste numbers for previously unidentified waste with the potential of being stored and/or treated in containers at the T Plant Complex.

These changes to the Part A, Form 3, were made in compliance with Washington Administrative Code 173-303. This regulation requires the submittal of a revised Part A, Form 3, that addresses the treatment, storage, and/or disposal of Dangerous Waste previously unidentified at a treatment, storage, and/or disposal unit.

MAY 25 1995

Should you have any questions regarding the T Plant Part A, Form 3, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Operations Office on (509) 376-9333 or Mr. R. C. Bowman of the Westinghouse Hanford Company on (509) 376-4876.

Sincerely,

James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division
DOE Richland Operations Office

EAP:CEC

William T. Dixon, Director
Environmental Services
Westinghouse Hanford Company

Enclosure:
T Plant Complex Dangerous Waste
Part A Permit Application
Form 3, Revision 4

cc w/encl:
EDMC,H6-08
R. Bowman, WHC
D. Duncan, EPA
M. Jaraysi, Ecology
R. Jim, YIN
D. Powaukee, NPT
S. Price, WHC
D. Sherwood, EPA
J. Wilkinson, CTUIR

cc w/o encl:
W. Dixon, WHC

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 character/inch).

FORM **3**

DANGEROUS WASTE PERMIT APPLICATION

1. EPA/STATE I.D. NUMBER: W A 7 8 9 0 0 0 8 3 6 7

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED *(mo., day, & yr.)*	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA/STATE I.D. Number, or if this is a revised application, enter your facility's EPA/STATE I.D. Number in Section I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(mo., day, & yr.)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

MO.	DAY	YR.
0 1		5 7

☐ 2. NEW FACILITY *(Complete item below)*

FOR NEW FACILITIES, PROVIDE THE DATE *(mo., day, & yr)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

MO.	DAY	YR.

B. REVISED APPLICATION *(place an "X" below and complete Section I above)*

☒ 1. FACILITY HAS AN INTERIM STATUS PERMIT

☐ 2. FACILITY HAS A FINAL PERMIT

III. PROCESSES - CODES AND CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the *(Section III-C)*.

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D80	GALLONS OR LITERS
LANDFILL	D81	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D82	*ACRES OR HECTARES*
OCEAN DISPOSAL	D83	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D84	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Section III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING SECTION III *(shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons.* The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5	T04	3,785	V	
X-2	T03	20	E		6	S05	35,170	C	
1	S02	292,990	L		7				
2	T01	52,996	V		8				
3	T04	1.8	W		9				
4	S01	757,082	L		10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

REFER TO FOLLOWING PAGES

IV. DESCRIPTION OF DANGEROUS WASTES

A. DANGEROUS WASTE NUMBER - Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
X-1	K 0 6 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2			T 0 3 D 8 0	*included with above*

III. C., PROCESSES

The T Plant Complex (T Plant) is located in the 200 West Area of the Hanford Facility and consists of two main structures, the 221-T Building (221-T) and the 2706-T Building (2706-T), and various support structures and storage units within T Plant. The 221-T and 2706-T buildings are used for the storage (tank, container, and miscellaneous equipment) and treatment (tank, container, and decontamination activities) of mixed and/or dangerous waste before transfer to the Double-Shell Tank (DST) System, the Central Waste Complex (CWC), and/or the 616 Nonradioactive Dangerous Waste Storage Facility (616 NRDWSF). The various support structures and storage units are used for storage, sampling, and treatment of mixed and/or dangerous waste until processed and transferred to the CWC and/or the 616 NRDWSF. The T Plant boundary is defined by the chain link fence enclosing the complex.

The following are the storage and treatment processes for T Plant.

S02

Liquid mixed waste from decontamination and treatment activities within T Plant enters the T Plant tank system and is stored until transferred to the DST System.

The liquid mixed waste from 2706-T decontamination activities is currently stored in the railroad pit sump [23,000 liters (6,100 gallons)] located in the 2706-T. The liquid mixed waste is transferred by underground transfer piping from 2706-T to the 211-T sump [15,000 liters (3,900 gallons)], located on the east side of the 2706-T, then transferred to the 221-T tank system. The liquid mixed waste is automatically pumped to the 221-T tank system when the waste reaches a designated level. The maximum tank storage design capacity that is maintained for the railroad pit sump and 211-T sump is 38,000 liters (10,000 gallons).

Liquid mixed waste from 2706-T and 221-T decontamination and treatment activities is currently stored in the 221-T tank system. The 221-T tank system currently consists of six stainless steel storage tanks: tank 5-6 [17,400 liters (4,600 gallons) design capacity], tank 5-7 [38,000 liters (10,000 gallons) design capacity], tank 5-9 [18,200 liters (4,800 gallons) design capacity], tank 6-1 [76,000 liters (20,000 gallons) design capacity], tank 11-R [53,000 liters (14,000 gallons) design capacity], and tank 15-1 [53,000 liters (14,000 gallons) design capacity]. The tanks are located in reinforced concrete cells within 221-T. The maximum tank storage design capacity of the six storage tanks is 255,600 liters (67,400 gallons). Liquid mixed waste is transferred to the DST System from the 221-T tanks.

In a future process, the liquid mixed waste from 2706-T decontamination activities will be transferred and stored in proposed tanks located outside of 2706-T. The addition of these proposed storage tanks will eliminate the need for storage in the railroad pit and 211-T sumps. With the addition of the proposed storage tanks, liquid mixed waste would no longer be transferred to the 221-T tank system but will be transported by railcar to the DST System. It is anticipated that the new tanks will have a total design capacity of 114,000 liters (30,000 gallons).

III. C., PROCESSES (Continued)

The maximum volume of liquid mixed waste (Process Design Capacity) that will be stored at T Plant at any time is 292,990 liters (77,400 gallons). The T Plant tank systems will be managed in a manner that ensures the Process Design Capacity is not exceeded.

T01

Liquid mixed waste that is stored in tank 15-1 in 221-T is normally transferred by railroad car to the DST system. If the liquid mixed waste is transferred by underground pipelines, tank 15-1 may be used to treat the waste to a pH greater than 12.5 and nitrite concentration greater than 600 ppm before transfer to the DST system. This treatment process makes the liquid mixed waste more amenable to storage in the DST system. The maximum tank treatment process design capacity for tank 15-1 is 52,996 liters (14,000 gallons) per day.

T04

Decontamination and treatment activities occur in the 221-T canyon, 2706-T bay, and in other support facilities and units located within T Plant. Decontamination and treatment methods may incorporate a variety of technologies to remove contamination. The technologies include, but are not limited to; immersion treatment; spray batch treatment; and steam, water, ice, carbon dioxide, chemical, or abrasive blasting. Some equipment, discarded materials, or solid wastes generated by the treatment processes may be treated by immobilization or encapsulation of the dangerous constituents. Items may be recycled or properly disposed on the Hanford Facility after leaving T Plant.

The 2706-T is used to decontaminate various types of equipment (e.g., tools, railroad equipment, buses, trucks, automobiles, cranes, earth moving equipment, and other large and small pieces of plant process equipment) by using steam, water, chemicals, abrasive blasting (e.g., ice, carbon dioxide) and/or other methods to remove the contamination. The decontamination and treatment activities in 2706-T occur over railroad and automotive pits located within the building. The railroad pit is 16.9 meters (55 feet)long by 5.2 meters (17 feet) wide by 1.8 meters (6 feet) deep. The automotive pit is 9.1 meters (30 feet) long by 1.2 meters (4 feet) wide by 1.8 meters (6 feet) deep. The liquid waste generated by this process is currently collected in the railroad pit sump, transferred to the 211-T sump, and then transferred to the 221-T tank system.

Decontamination and treatment activities occur in 221-T in stainless steel immersion tanks (e.g., thimbles and troughs), immersion or spray batch treatment systems, enclosed abrasive blasting modules, designated areas on the canyon deck, or designated areas within the railroad tunnel. The activities consist of decontaminating and treating process equipment (i.e., pipelines, jumpers), other pieces of equipment (e.g., pumps, motors, damaged tools), and discarded materials. The process consists of placing the contaminated items in the immersion tanks, batch containment systems, treatment modules, or designated areas on the canyon deck and using steam, water, chemicals, abrasive blasting (e.g., ice, carbon dioxide) and/or other methods to remove

III. C., PROCESSES (Continued)

contamination. Liquid mixed waste generated by this process is transferred to the 221-T tank system and then to the DST system. Some equipment, discarded materials, or solid waste may be immobilized or encapsulated before leaving T Plant.

The maximum decontamination and treatment process design capacity within T Plant is 1.8 metric tons (2 tons) per hour.

S01, T04

Storage and treatment of dry and liquid mixed and dangerous waste in various sized containers including railroad cars may take place in the 221-T canyon, 221-T railroad tunnel, 2706-T bay, and in other support structures and storage units located within the boundaries of T Plant. Container storage and treatment capability at T Plant is required to: (1) complete laboratory analysis and characterization of mixed and/or dangerous waste samples before transferring the waste containers to the CWC, 616 NRDWSF, or the DST System; or (2) absorb, neutralize, immobilize, encapsulate, or otherwise stabilize the contents of some containers before transfer.

The maximum container storage process design capacity is 757,082 liters (200,000 gallons); and the maximum container treatment process design capacity is 3,785 liters (1,000 gallons) per day.

S05

The designation S05 (storage miscellaneous) indicates that solid mixed waste is stored on the canyon deck, in 221-T railroad tunnel, in various cells in the 221-T, and in 2706-T. This waste is considered to be stored in a containment building subject to the requirements of 40 CFR 265, Subpart DD rather than a waste pile subject to the requirements of 40 CFR 265, Subpart L. The solid mixed waste consists of process equipment, jumpers, and various other items awaiting decontamination, treatment, or repackaging prior to final disposition.

The maximum storage miscellaneous process design capacity in 221-T and 2706-T is 35,170 cubic meters (46,000 cubic yards).

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	126,552,271	K	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	D002				(Decontamination Activities)
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	WT01		K	S02 T01 T04	Storage-Tank/Treatment-Tank-Other
2	WT02				(Decontamination Activities)(Cont.)
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12	D001	907,185	K	S01 T04	Storage-Container/Treatment-Other
13	D002				
14	D003				
15	D004				
16	D005				
17	D006				
18	D007				
19	D008				
20	D009				
21	D010				
22	D011				
23	D012				
24	D013				
25	D014				
26	D015				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D016		K	S01 T04	Storage-Container/Treatment-Other
2	D017				(Continued)
3	D018				
4	D019				
5	D020				
6	D021				
7	D022				
8	D023				
9	D024				
10	D025				
11	D026				
12	D027				
13	D028				
14	D029				
15	D030				
16	D031				
17	D032				
18	D033				
19	D034				
20	D035				
21	D036				
22	D037				
23	D038				
24	D039				
25	D040				
26	D041				

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I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D042		K	S01 T04	Storage-Container/Treatment-Other
2	D043				(Continued)
3	WT01				
4	WT02				
5	WC02				
6	WP01				
7	WP02				
8	WP03				
9	W001				
10	F001				
11	F002				
12	F003				
13	F004				
14	F005				
15	F020				
16	F021				
17	F022				
18	F023				
19	F026				
20	F027				
21	F028				
22	F039				
23	U001				
24	U002				
25	U003				
26	U004				

Continued from page 2.
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I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U005		K	S01 T04	Storage-Container/Treatment-Other
2	U006				(Continued)
3	U007				
4	U008				
5	U009				
6	U010				
7	U011				
8	U012				
9	U014				
10	U015				
11	U016				
12	U017				
13	U018				
14	U019				
15	U020				
16	U021				
17	U022				
18	U023				
19	U024				
20	U025				
21	U026				
22	U027				
23	U028				
24	U029				
25	U030				
26	U031				

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I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U032		K	S01 T04	Storage-Container/Treatment-Other
2	U033				(Continued)
3	U034				
4	U035				
5	U036				
6	U037				
7	U038				
8	U039				
9	U041				
10	U042				
11	U043				
12	U044				
13	U045				
14	U046				
15	U047				
16	U048				
17	U049				
18	U050				
19	U051				
20	U052				
21	U053				
22	U055				
23	U056				
24	U057				
25	U058				
26	U059				

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NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U060		K	S01 T04	Storage-Container/Treatment-Other
2	U061				(Continued)
3	U062				
4	U063				
5	U064				
6	U066				
7	U067				
8	U068				
9	U069				
10	U070				
11	U071				
12	U072				
13	U073				
14	U074				
15	U075				
16	U076				
17	U077				
18	U078				
19	U079				
20	U080				
21	U081				
22	U082				
23	U083				
24	U084				
25	U085				
26	U086				

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I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U087		K	S01 T04	Storage-Container/Treatment-Other
2	U088				(Continued)
3	U089				
4	U090				
5	U091				
6	U092				
7	U093				
8	U094				
9	U095				
10	U096				
11	U097				
12	U098				
13	U099				
14	U101				
15	U102				
16	U103				
17	U105				
18	U106				
19	U107				
20	U108				
21	U109				
22	U110				
23	U111				
24	U112				
25	U113				
26	U114				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*				D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U115		K	S01	T04			Storage-Container/Treatment-Other
2	U116							(Continued)
3	U117							
4	U118							
5	U119							
6	U120							
7	U121							
8	U122							
9	U123							
10	U124							
11	U125							
12	U126							
13	U127							
14	U128							
15	U129							
16	U130							
17	U131							
18	U132							
19	U133							
20	U134							
21	U135							
22	U136							
23	U137							
24	U138							
25	U139							
26	U140							

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U141		K	S01 T04	Storage-Container/Treatment-Other
2	U142				(Continued)
3	U143				
4	U144				
5	U145				
6	U146				
7	U147				
8	U148				
9	U149				
10	U150				
11	U151				
12	U152				
13	U153				
14	U154				
15	U155				
16	U156				
17	U157				
18	U158				
19	U159				
20	U160				
21	U161				
22	U162				
23	U163				
24	U164				
25	U165				
26	U166				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U167		K	S01 T04	Storage-Container/Treatment-Other
2	U168				(Continued)
3	U169				
4	U170				
5	U171				
6	U172				
7	U173				
8	U174				
9	U176				
10	U177				
11	U178				
12	U179				
13	U180				
14	U181				
15	U182				
16	U183				
17	U184				
18	U185				
19	U186				
20	U187				
21	U188				
22	U189				
23	U190				
24	U191				
25	U192				
26	U193				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U194		K	S01 T04	Storage-Container/Treatment-Other
2	U196				(Continued)
3	U197				
4	U200				
5	U201				
6	U202				
7	U203				
8	U204				
9	U205				
10	U206				
11	U207				
12	U208				
13	U209				
14	U210				
15	U211				
16	U212				
17	U213				
18	U214				
19	U215				
20	U216				
21	U217				
22	U218				
23	U219				
24	U220				
25	U221				
26	U222				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	U223		K	S01 T04	Storage-Container/Treatment-Other
2	U225				(Continued)
3	U226				
4	U227				
5	U228				
6	U232				
7	U233				
8	U234				
9	U235				
10	U236				
11	U237				
12	U238				
13	U239				
14	U240				
15	U243				
16	U244				
17	U245				
18	U246				
19	U247				
20	U248				
21	U249				
22	U328				
23	U353				
24	U359				
25	P001				
26	P002				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P003		K	S01 T04	Storage-Container/Treatment-Other
2	P004				(Continued)
3	P005				
4	P006				
5	P007				
6	P008				
7	P009				
8	P010				
9	P011				
10	P012				
11	P013				
12	P014				
13	P015				
14	P016				
15	P017				
16	P018				
17	P020				
18	P021				
19	P022				
20	P023				
21	P024				
22	P026				
23	P027				
24	P028				
25	P030				
26	P031				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P033		K	S01 T04	Storage-Container/Treatment-Other
2	P034				(Continued)
3	P036				
4	P037				
5	P038				
6	P039				
7	P040				
8	P041				
9	P042				
10	P043				
11	P044				
12	P045				
13	P046				
14	P047				
15	P048				
16	P049				
17	P050				
18	P051				
19	P054				
20	P056				
21	P057				
22	P058				
23	P059				
24	P060				
25	P062				
26	P063				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	P064		K	S01 T04	Storage-Container/Treatment-Other
2	P065				(Continued)
3	P066				
4	P067				
5	P068				
6	P069				
7	P070				
8	P071				
9	P072				
10	P073				
11	P074				
12	P075				
13	P076				
14	P077				
15	P078				
16	P081				
17	P082				
18	P084				
19	P085				
20	P087				
21	P088				
22	P089				
23	P092				
24	P093				
25	P094				
26	P095				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	P096		K	S01 T04	Storage-Container/Treatment-Other
2	P097				(Continued)
3	P098				
4	P099				
5	P101				
6	P102				
7	P103				
8	P104				
9	P105				
10	P106				
11	P107				
12	P108				
13	P109				
14	P110				
15	P111				
16	P112				
17	P113				
18	P114				
19	P115				
20	P116				
21	P118				
22	P119				
23	P120				
24	P121				
25	P122				
26	P123				Included With Above

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*

W	A	7	8	9	0	0	0	8	9	6	7

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	D001	4,536	K	S05	Storage-Miscellaneous
2	D002				(Containment Building)
3	D003				
4	D004				
5	D005				
6	D006				
7	D007				
8	D008				
9	D009				
10	D010				
11	D011				
12	D018				
13	D019				
14	D022				
15	D028				
16	D029				
17	D030				
18	D033				
19	D034				
20	D035				
21	D036				
22	D038				
23	D039				
24	D040				
25	D041				
26	D043				

Continued from page 2.
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

I.D. NUMBER *(entered from page 1)*: WA7890008967

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

LINE NO.	A. DANGEROUS WASTE NO. *(enter code)*	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE *(enter code)*	D. PROCESSES 1. PROCESS CODES *(enter)*	D. PROCESSES 2. PROCESS DESCRIPTION *(if a code is not entered in D(1))*
1	WT01		K	S05	Storage-Miscellaneous
2	WT02				(Containment Building)(Continued)
3	WC02				
4	WP01				
5	WP02				
6	F001				
7	F002				
8	F003				
9	F004				
10	F005				
11	F039				Included With Above
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM SECTION D(1) ON PAGE 3.

The T Plant Complex (T Plant) is used for the storage and treatment of mixed waste and/or dangerous waste. The mixed waste is transferred to the Double-Shell Tank System and/or Central Waste Complex. The dangerous waste is transferred to the 616 Nonradioactive Dangerous Waste Storage Facility.

The dangerous waste numbers identified in Section IV.A. are associated with mixed and/or dangerous waste that could be stored and/or treated at T Plant. The mixed and/or dangerous waste consists of listed waste, characteristic waste, waste from nonspecific sources, toxicity characteristic waste, and state-only waste (extremely hazardous and dangerous waste). Multi-source leachate (F039) is included as a waste derived from nonspecific source wastes F001 through F005.

The estimated annual quantities of mixed waste listed for S01, S02, S05, T01, and T04 and dangerous waste for S01 and T04 represent the maximum quantities of dry and liquid waste that could be stored and treated at T Plant. Future operations might necessitate an increase in excess of these estimates and a revision could be pursued as required by the dangerous waste regulations.

V. FACILITY DRAWING Refer to attached drawing.

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS Refer to attached photographs.

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION This information is provided on the attached drawings and photos.

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

[x] A. If the facility owner is also the facility operator as listed in Section VII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office	John D. Wagoner	5/25/95

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	SIGNATURE	DATE SIGNED
SEE ATTACHMENT		

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John D. Wagoner 5/25/95

Owner/Operator
John D. Wagoner, Manager
U.S. Department of Energy
Richland Operations Office

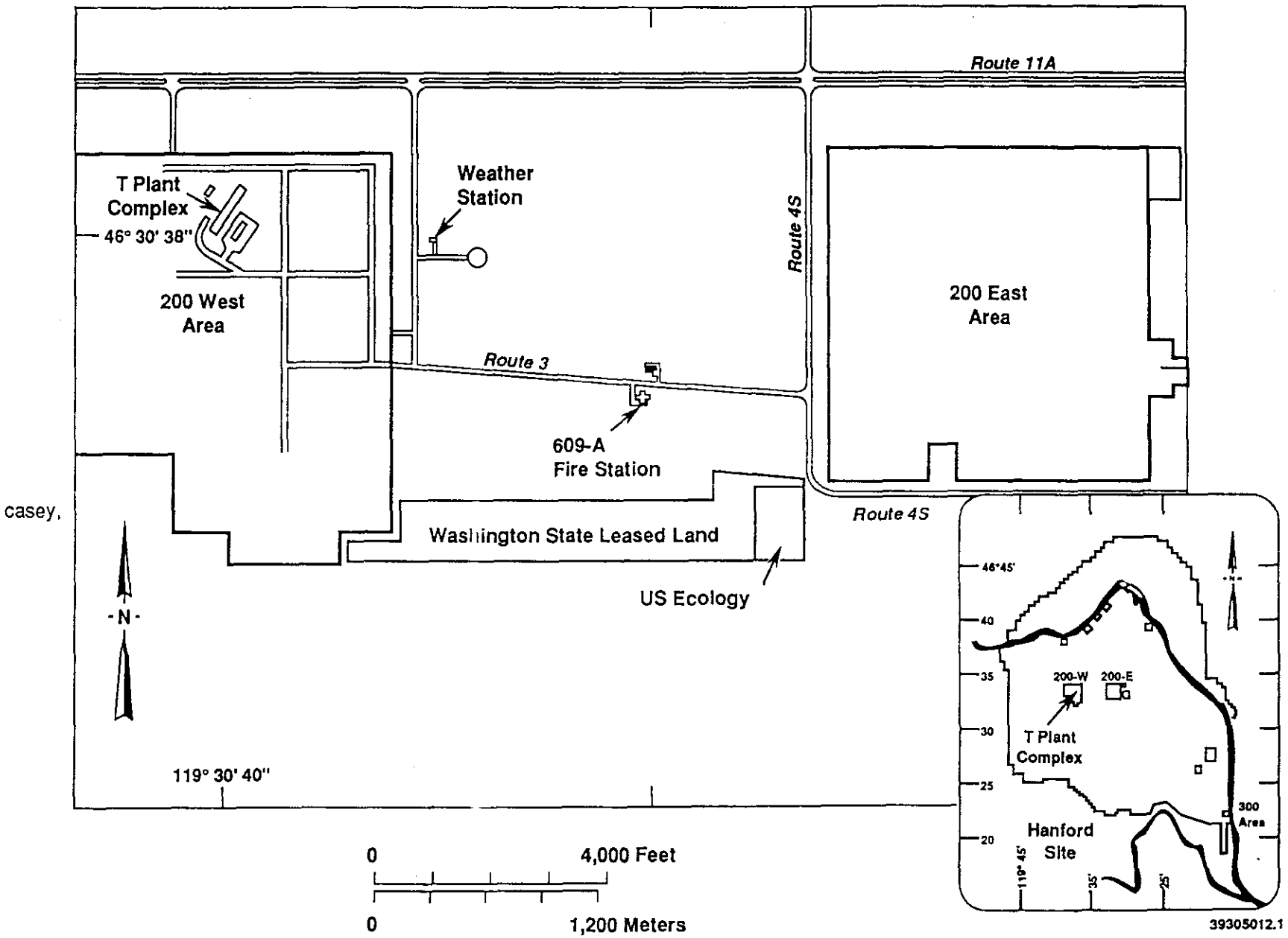
Date

5/4/95

Co-operator
A. LaMar Trego, President
Westinghouse Hanford Company

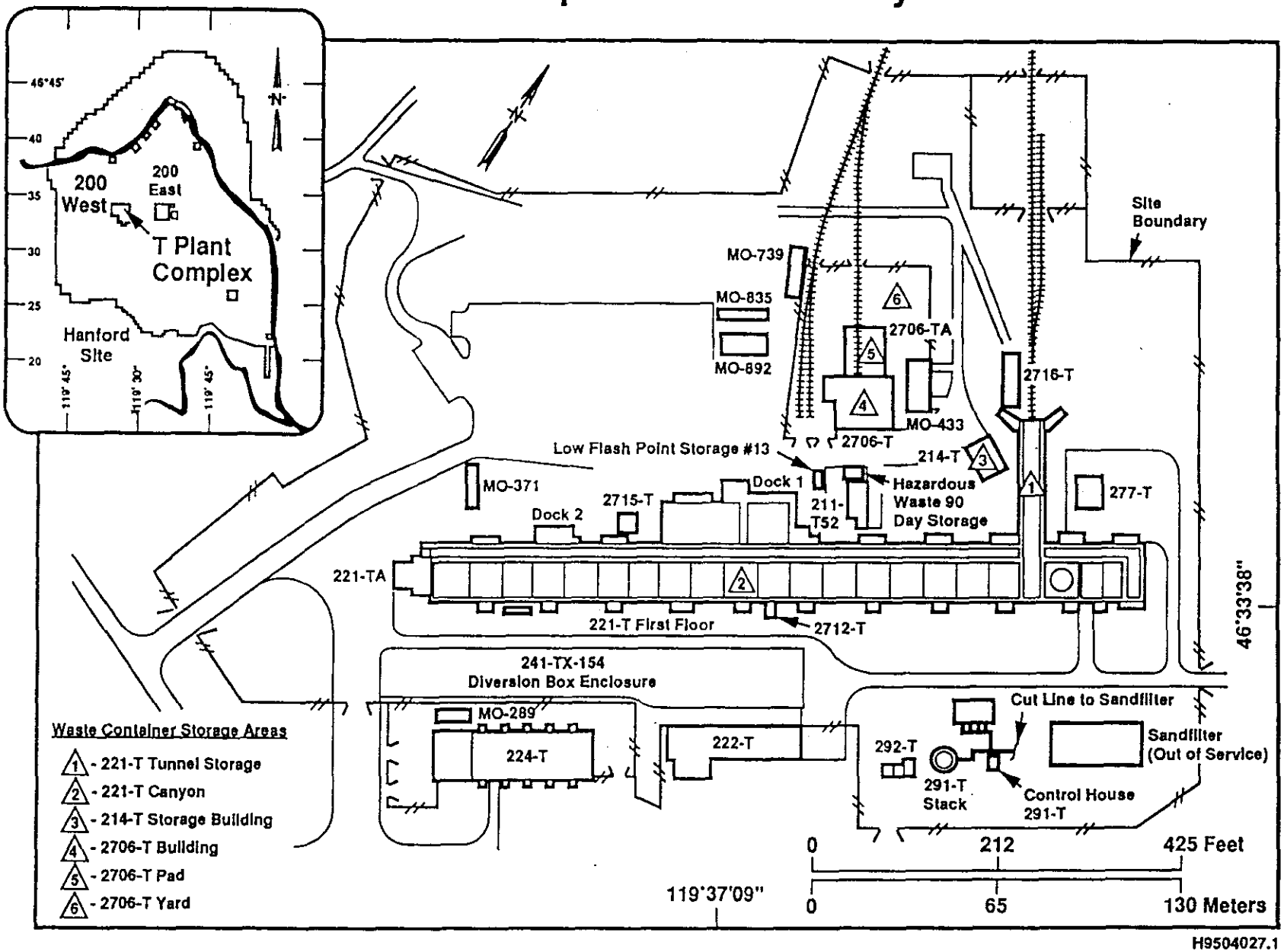
Date

T PLANT COMPLEX SITE PLAN



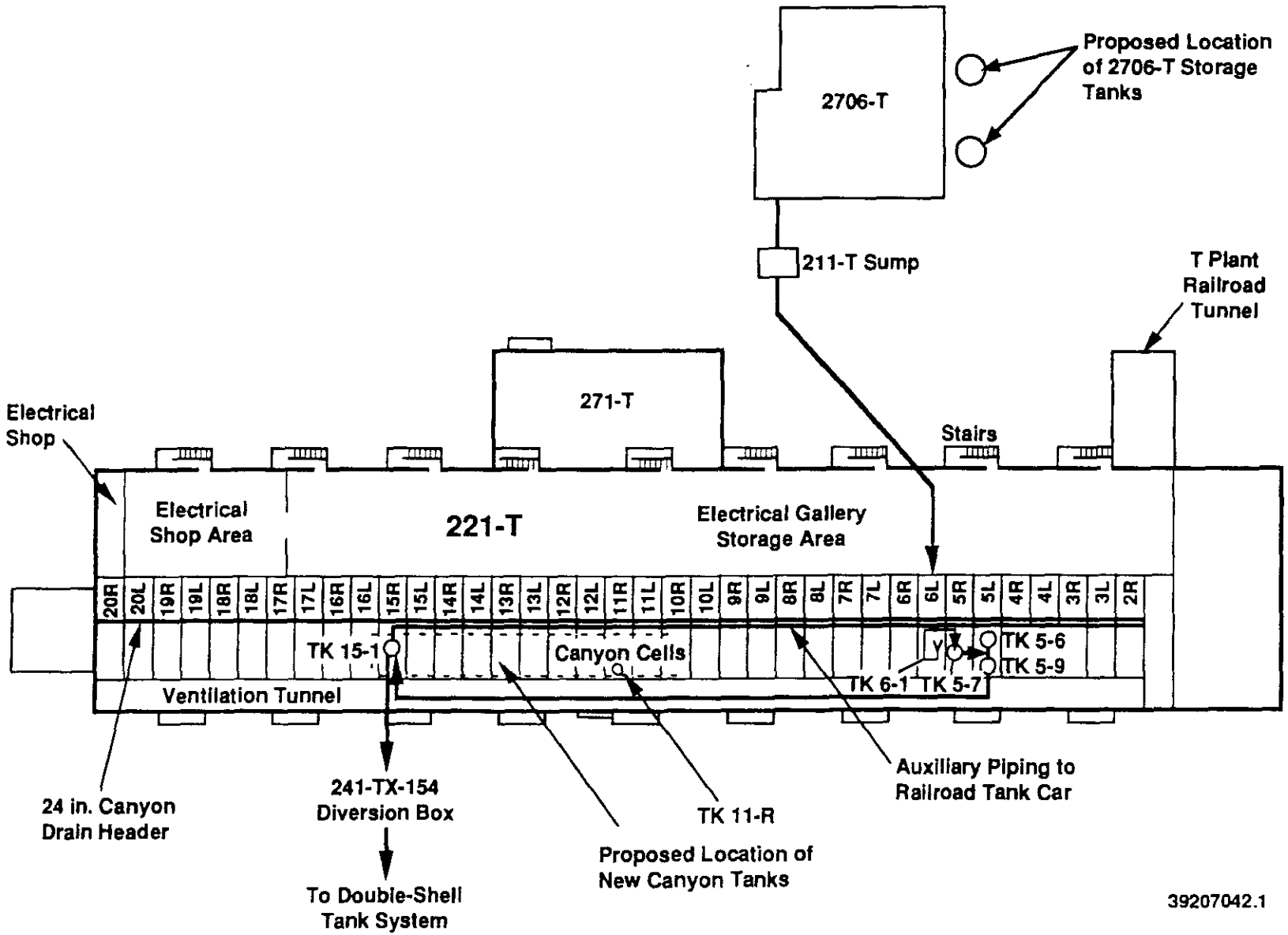
casey,

T Plant Complex - Site Boundary

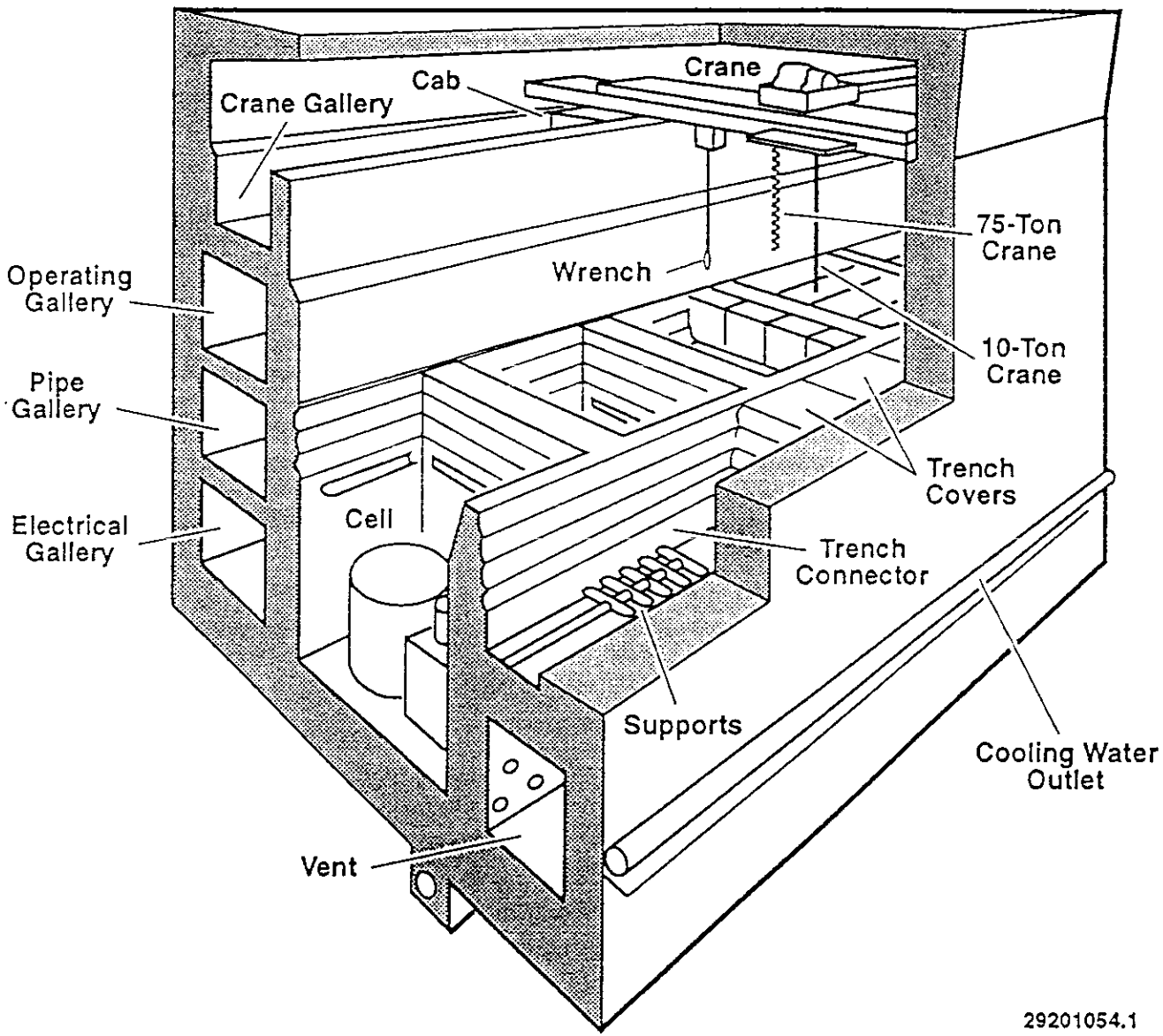


H9504027.1

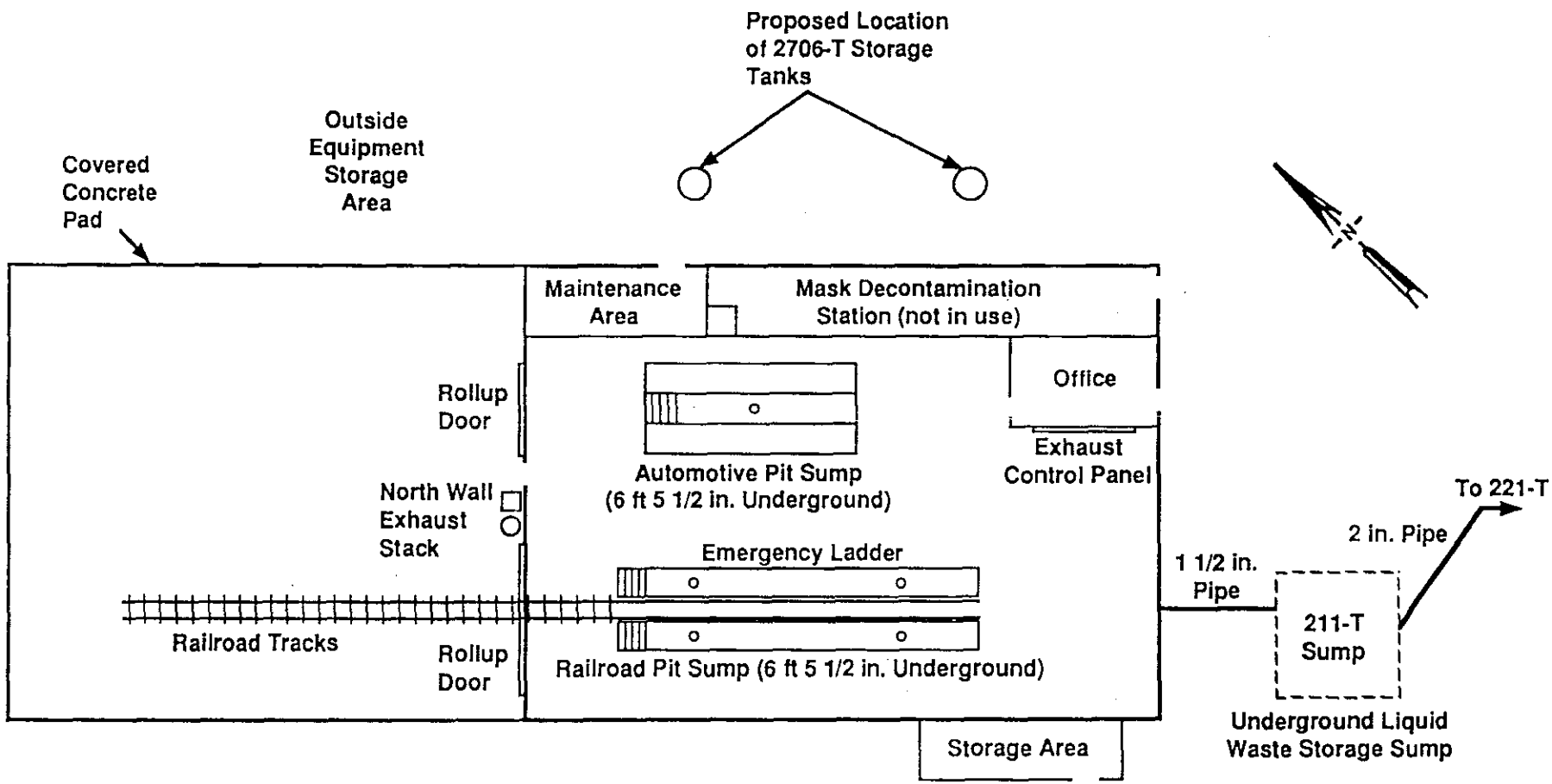
T PLANT COMPLEX - 221-T SITE PLAN



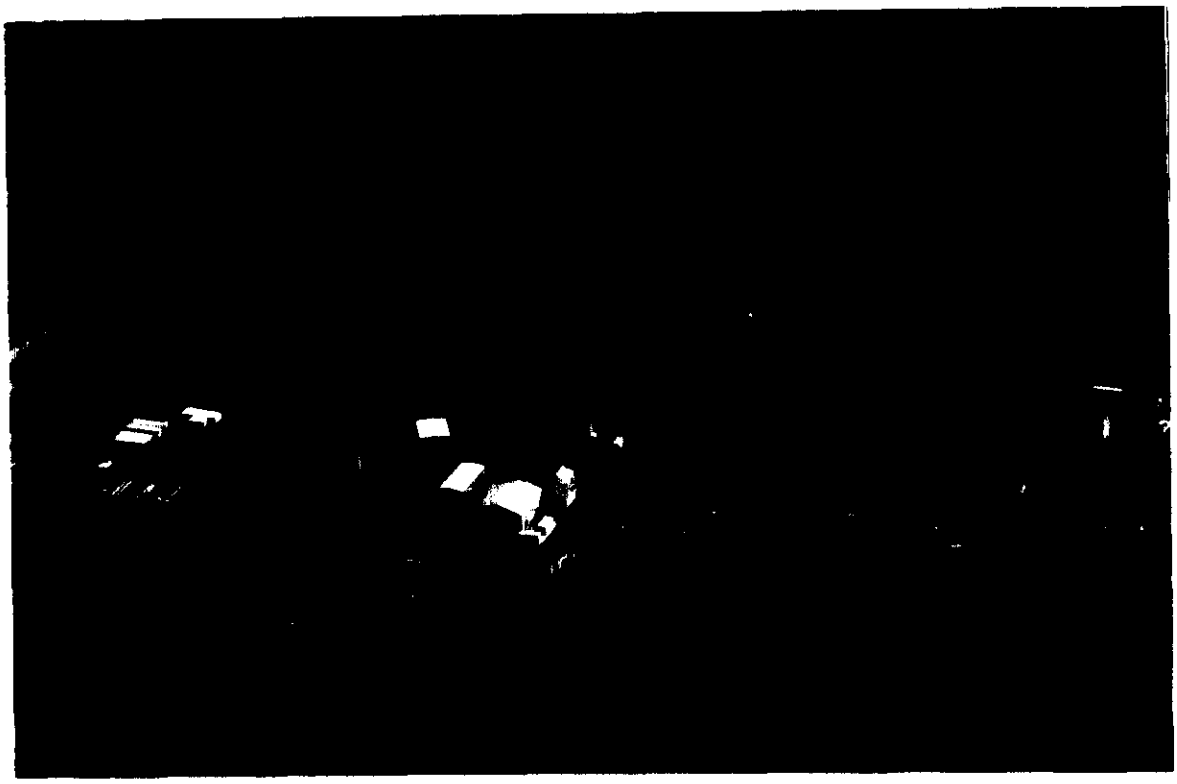
T PLANT COMPLEX - 221-T CUTAWAY



T Plant Complex - 2706-T Site Plan



T PLANT COMPLEX
AERIAL VIEW

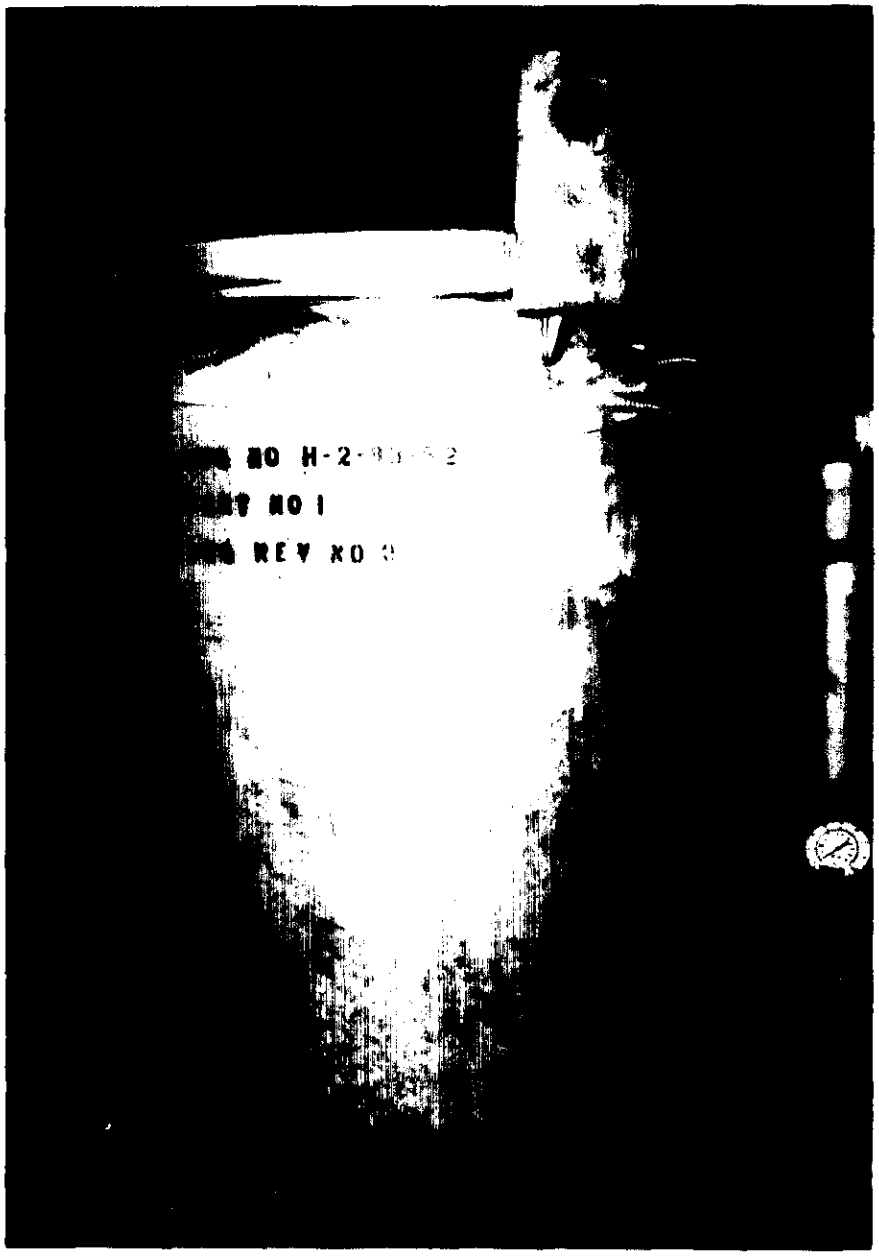


221-T BUILDING

46°30'38"
119°30'40"

93030994-122CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING

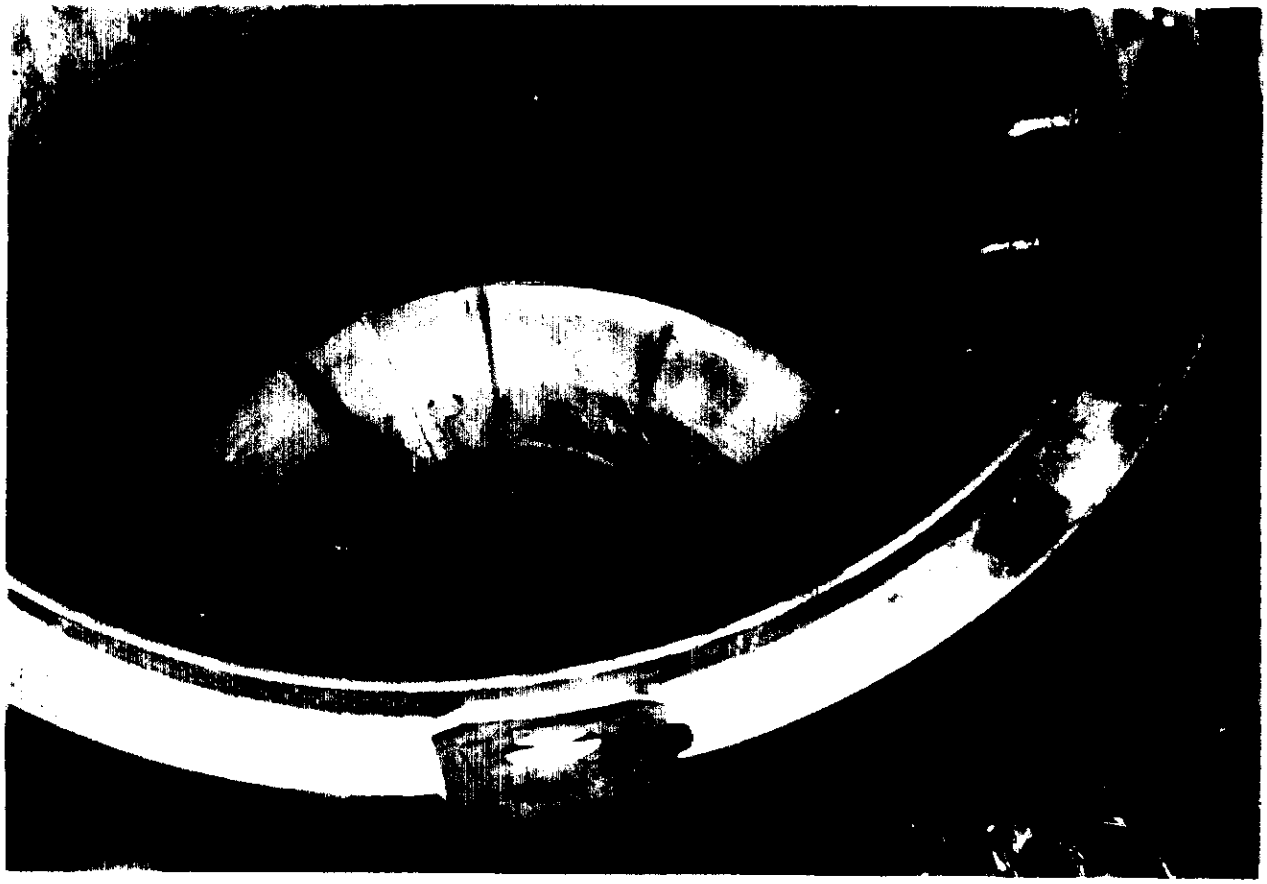


TYPICAL THIMBLE

46°30'38"
119°30'40"

93051132-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING



TYPICAL THIMBLE INTERNAL VIEW

46°30'38"
119°30'40"

93051473-9CN
(PHOTO TAKEN 1993)

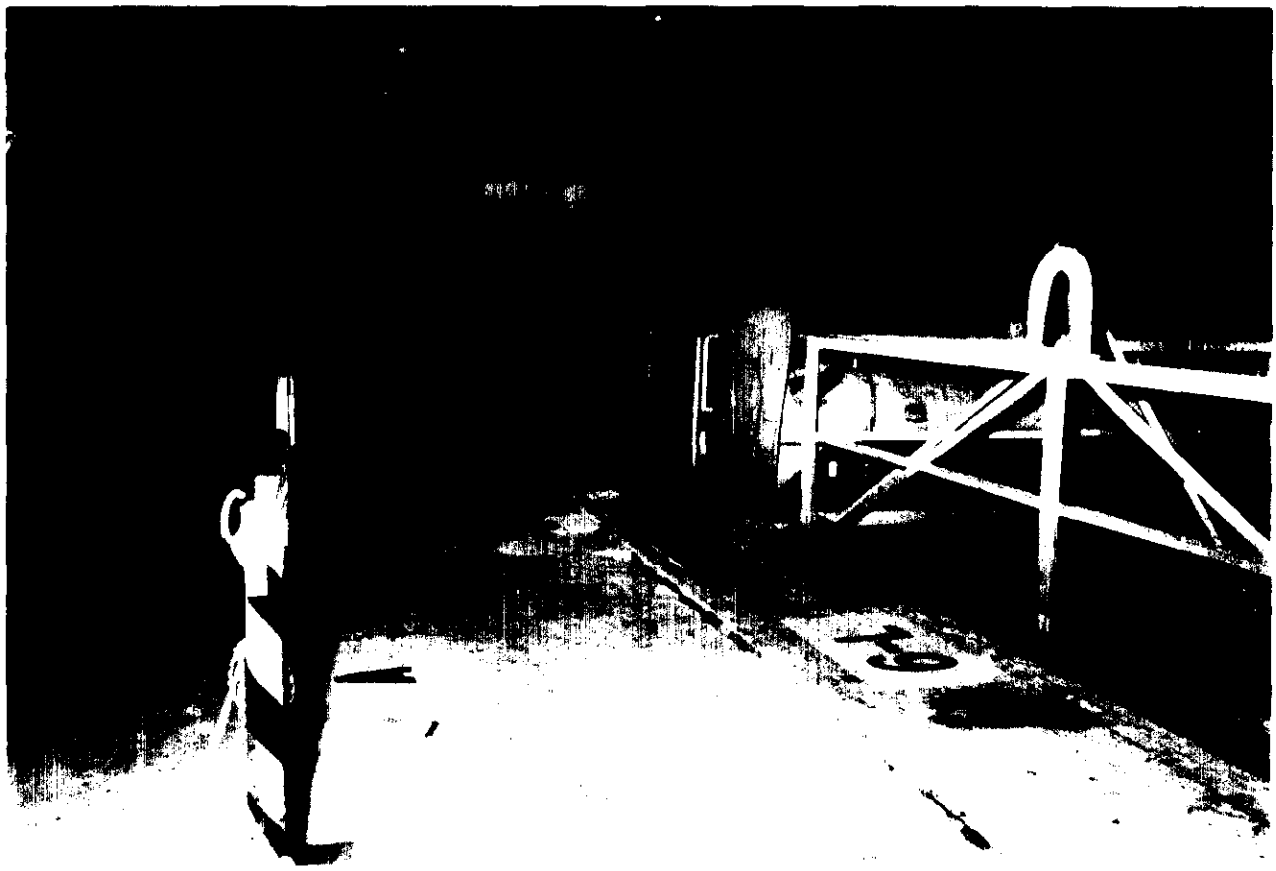
T PLANT COMPLEX
221-T BUILDING

TYPICAL TROUGH

46°30'38"
119°30'40"

93060740-10CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
221-T BUILDING



CANYON DECK

46°30'38"
119°30'40"

93051132-8CN
(PHOTO TAKEN 1993)

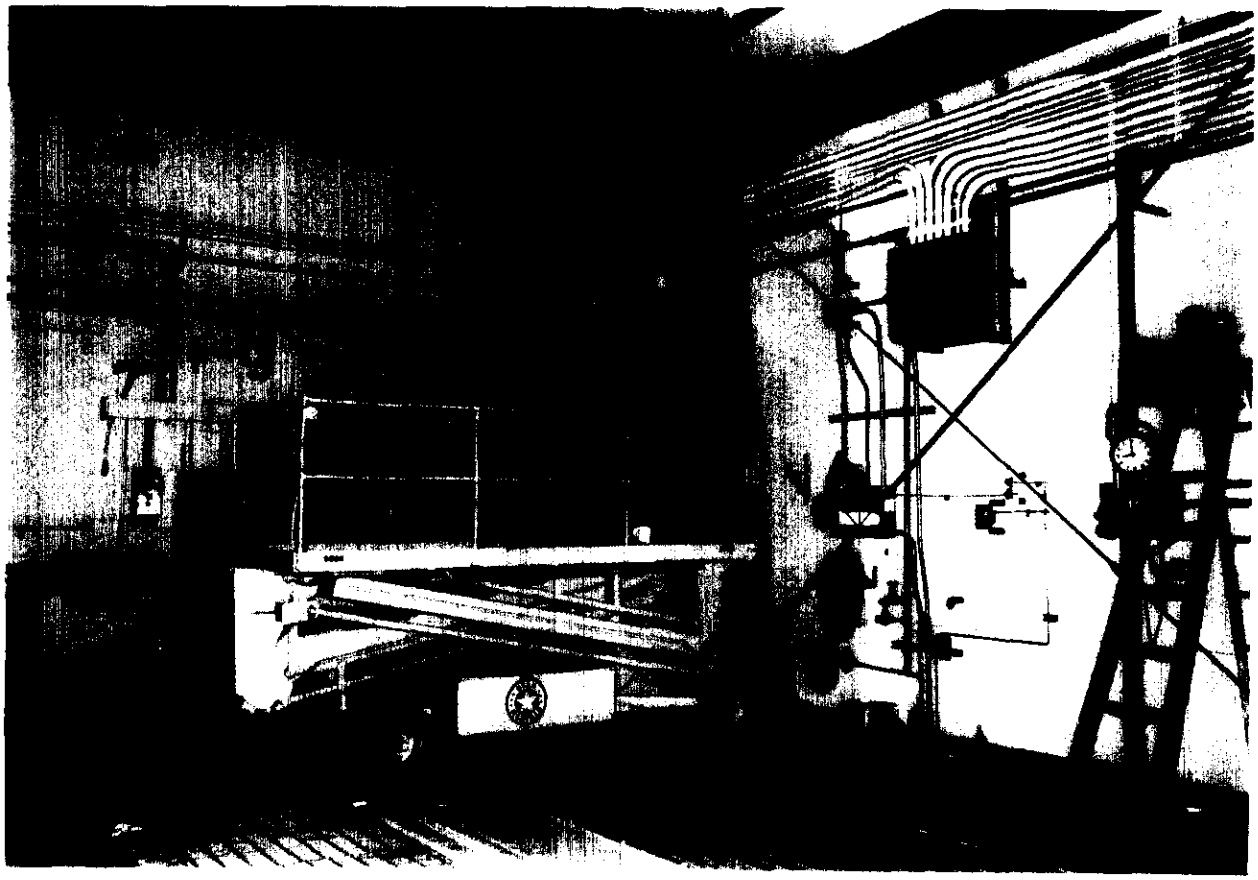
T PLANT COMPLEX
2706-T BUILDING

AERIAL VIEW

46°30'38"
119°30'40"

93030994-257CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

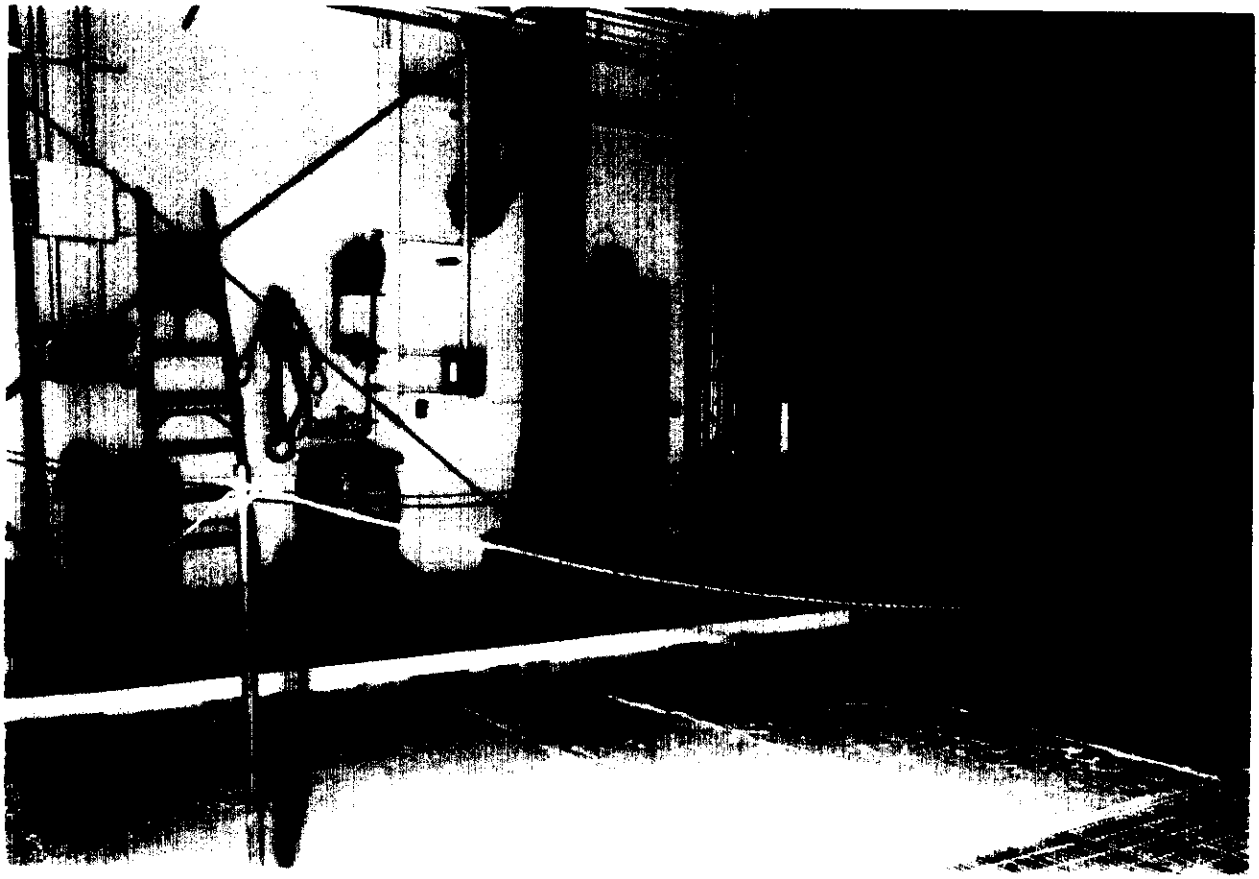


RAILROAD PIT

46°30'38"
119°30'40"

93040127-3CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING

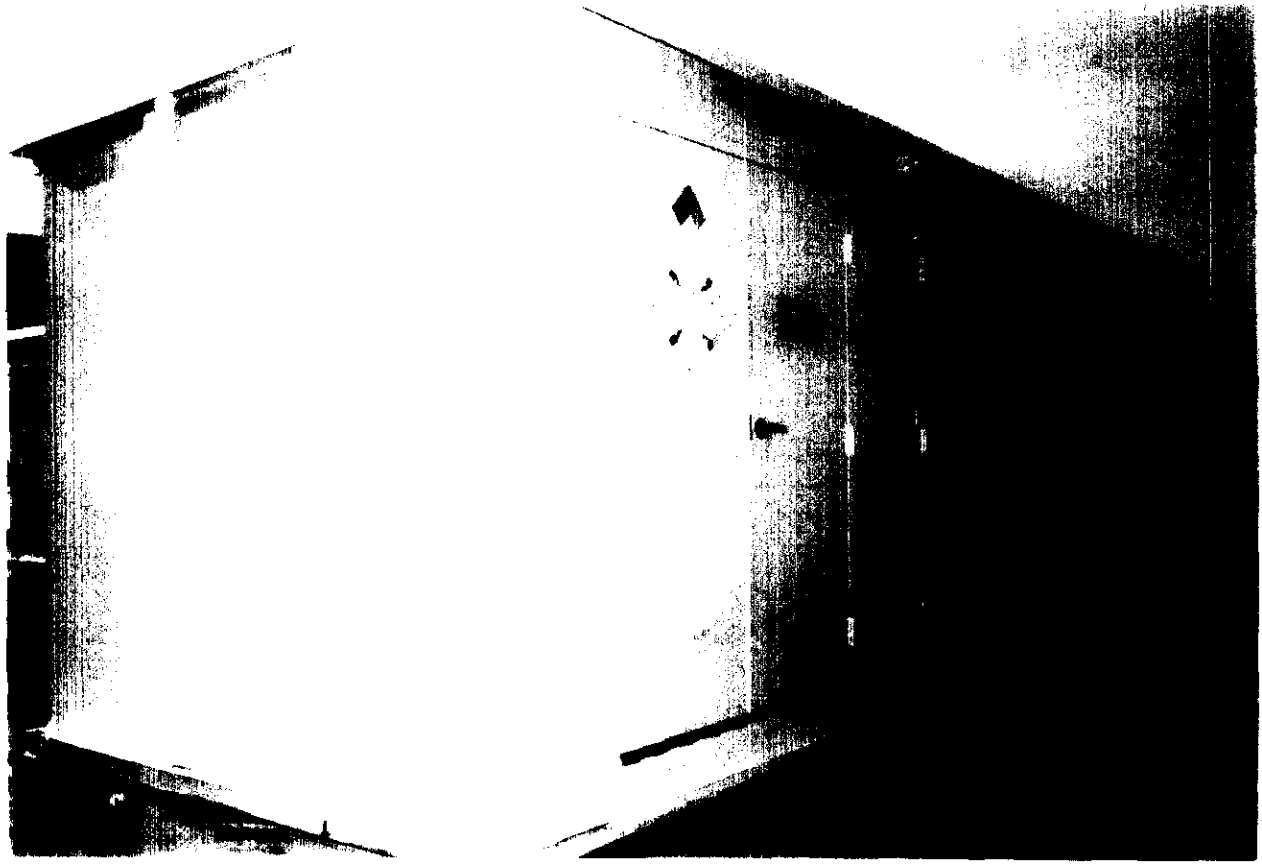


AUTOMOTIVE PIT

46°30'38"
119°30'40"

93040127-2CN
(PHOTO TAKEN 1993)

T PLANT COMPLEX
2706-T BUILDING



TYPICAL STORAGE BUILDING

46°30'38"
119°30'40"

93040127-13CN
(PHOTO TAKEN 1993)